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**DECLARATION FOR UTILITY OR
DESIGN
PATENT APPLICATION
(37 CFR 1.63)**

Declaration Submitted with Initial Filing Declaration Submitted after Initial Filing (surcharge (37 CFR 1.16 (e)) required)

OR

Attorney Docket Number	063951/P013US/10211125
First Named Inventor	Hans P. Bluem
COMPLETE IF KNOWN	
Application Number	Not Yet Assigned
Filing Date	Concurrently Herewith
Art Unit	N/A
Examiner Name	Not Yet Assigned

I hereby declare that:

Each inventor's residence, mailing address, and citizenship are as stated below next to their name.

I believe the inventor(s) named below to be the original and first inventor(s) of the subject matter which is claimed and for which a patent is sought on the invention entitled:

AXISYMMETRIC EMITTANCE-COMPENSATED ELECTRON GUN-PATENT APPLICATION

(Title of the Invention)

the specification of which

 is attached hereto**OR** was filed on (MM/DD/YYYY) as United States Application Number or PCT InternationalApplication Number and was amended on (MM/DD/YYYY) (if applicable).

I hereby state that I have reviewed and understand the contents of the above identified specification, including the claims, as amended by any amendment specifically referred to above.

I acknowledge the duty to disclose information which is material to patentability as defined in 37 CFR 1.56, including for continuation-in-part applications, material information which became available between the filing date of the prior application and the national or PCT international filing date of the continuation-in-part application.

I hereby claim foreign priority benefits under 35 U.S.C. 119(a)-(d) or (f), or 365(b) of any foreign application(s) for patent, inventor's or plant breeder's rights certificate(s), or 365 (a) of any PCT international application which designated at least one country other than the United States of America, listed below and have also identified below, by checking the box, any foreign application for patent, inventor's or plant breeder's rights certificate(s), or any PCT international application having a filing date before that of the application on which priority is claimed.

Prior Foreign Application Number(s)	Country	Foreign Filing Date (MM/DD/YYYY)	Priority Not Claimed	Certified Copy Attached?
			<input type="checkbox"/>	<input type="checkbox"/> YES <input type="checkbox"/> NO
			<input type="checkbox"/>	<input type="checkbox"/>
			<input type="checkbox"/>	<input type="checkbox"/>
			<input type="checkbox"/>	<input type="checkbox"/>
			<input type="checkbox"/>	<input type="checkbox"/>
			<input type="checkbox"/>	<input type="checkbox"/>

 Additional foreign application numbers are listed on a supplemental priority data sheet PTO/SB/02B attached hereto.

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DECLARATION — Utility or Design Patent ApplicationDirect all correspondence to: Customer Number OR Correspondence address belowName **FULBRIGHT & JAWORSKI L.L.P.**
Robert M. Chiaviello, Jr.Address
2200 Ross Avenue, Suite 2800

City	Dallas	State	TX	ZIP	75201-2784
Country	US	Telephone	(214) 855-8000		
			Fax	(214) 855-8200	

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under 18 U.S.C. 1001 and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

NAME OF SOLE OR FIRST INVENTOR:	<input type="checkbox"/> A petition has been filed for this unsigned inventor
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Given Name (first and middle [if any])	Hans Peter	Family Name or Surname	Bluem
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Inventor's Signature	<i>Hans Peter Blum</i>	Date	<i>2/24/04</i>
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Residence: City	Princeton	State	NJ	Country	United States of America	Citizenship	US
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Mailing Address:	1 Setter Place
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City	Kendall Park	State	NJ	ZIP	08824	Country	United States of America
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NAME OF SECOND INVENTOR:	<input type="checkbox"/> A petition has been filed for this unsigned inventor
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Given Name (first and middle [if any])	Family Name or Surname
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Inventor's Signature	Date
-------------------------	------

Residence: City	State	Country	Citizenship
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Mailing Address:	
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City	State	ZIP	Country
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<input type="checkbox"/>	Additional inventors or a legal representative are being named on the	supplemental sheet(s) PTO/SB/02A or 02LR attached hereto.
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**POWER OF ATTORNEY
and
CORRESPONDENCE ADDRESS
INDICATION FORM**

Application Number	Not Yet Assigned
Filing Date	Concurrently Herewith
First Named Inventor	Hans P. Bluem
Title	AXISYMMETRIC EMITTANCE-COMPENSATED ELECTRON, etc.
Art Unit	N/A
Examiner Name	Not Yet Assigned
Attorney Docket No.	063951/P013US/10211125

I hereby appoint:

 Practitioners at Customer Number
OR
 Practitioner(s) named below:

Name	Registration Number	Name	Registration Number

as my/our attorney(s) or agent(s) to prosecute the application identified above, and to transact all business in the United States Patent and Trademark Office connected therewith.

Please recognize or change the correspondence address for the above-identified application to:

 The above-mentioned Customer Number.
OR
 The address associated with
Customer Number:

<input type="checkbox"/> Firm or Individual Name	Robert M. Chiaviello, Jr. FULBRIGHT & JAWORSKI L.L.P.
--	--

Address

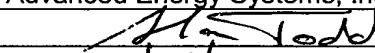
City <input type="text" value="Dallas"/>	State <input type="text" value="TX"/>	Zip <input type="text" value="75201-2784"/>
Country <input type="text" value="US"/>	Telephone <input type="text" value="(214) 855-8000"/>	Fax <input type="text" value="(214) 855-8200"/>

I am the:

 Applicant/Inventor.

 Assignee of record of the entire interest. See 37 CFR 3.71.
Statement under 37 CFR 3.73(b) is enclosed. (Form PTO/SB/96).

SIGNATURE of Applicant or Assignee of Record

Name <input type="text" value="Advanced Energy Systems, Inc. by Dr. Alan Todd, Vice President"/>			
Signature 			
Date <input type="text" value="12/18/03"/>	Telephone <input type="text" value="609.514-0316"/>		

NOTE: Signatures of all the inventors or assignees of record of the entire interest or their representative(s) are required. Submit multiple forms if more than one signature is required, see below*.

*Total of forms are submitted.

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STATEMENT UNDER 37 CFR 3.73(b)Applicant/Patent Owner: Hans P. Bluem

Application No./Patent No.: _____ Filed/Issue Date: _____

Entitled: AXISYMMETRIC EMITTANCE-COMPENSATED ELECTRON GUN-PATENT APPLICATION

Advanced Energy Systems, Inc., a Corporation
 (Name of Assignee) (Type of Assignee, e.g., corporation, partnership, university, government agency, etc.)

states that it is:

1. the assignee of the entire right, title, and interest; or
2. an assignee of less than the entire right, title and interest.

The extent (by percentage) of its ownership interest is 0.0 %

in the patent application/patent identified above by virtue of either:

A. An assignment from the inventor(s) of the patent application/patent identified above. The assignment was recorded in the United States Patent and Trademark Office at Reel _____, Frame _____, or for which a copy thereof is attached.

OR

B. A chain of title from the inventor(s), of the patent application/patent identified above, to the current assignee as shown below:

1. From: _____ To: _____
 The document was recorded in the United States Patent and Trademark Office at
 Reel _____, Frame _____, or for which a copy thereof is attached.
2. From: _____ To: _____
 The document was recorded in the United States Patent and Trademark Office at
 Reel _____, Frame _____, or for which a copy thereof is attached.
3. From: _____ To: _____
 The document was recorded in the United States Patent and Trademark Office at
 Reel _____, Frame _____, or for which a copy thereof is attached.

 Additional documents in the chain of title are listed on a supplemental sheet. Copies of assignments or other documents in the chain of title are attached.

[NOTE: A separate copy (i.e., the original assignment document or a true copy of the original document) must be submitted to Assignment Division in accordance with 37 CFR Part 3, if the assignment is to be recorded in the records of the USPTO. See MPEP 302.08]

The undersigned (whose title is supplied below) is authorized to act on behalf of the assignee.

12/18/03

Date

Dr. Alan Todd

609.514.0316

Telephone Number

Signature

Vice President, Advanced Energy Systems, Inc.

Title